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EQUIPMENT LIST

HORIZONTAL MACHINING CELL

QTY	MAKE	MODEL	X"	Y"	Z"	HP	RPM SPINDLE	TAPER TOOLING	TOOL MAG	PALLET CHANGER	ACCESSORIES
1	Makino	A51nx	22	25.2	25.2	30	14000	CAT 40	218	1	12 pallets, high pressure coolant through spindle, Blum laser tool detection

HORIZONTAL CNC MACHINING CENTERS

QTY	MAKE	MODEL	X"	Y"	Z"	HP	RPM SPINDLE	TAPER TOOLING	TOOL MAG	PALLET CHANGER	ACCESSORIES
1	Kitamura	MyCenter HX400if	28.9	24	24	25	13000	CAT 40 Big Plus	150	1	high pressure coolant through spindle, Blum laser tool detection

VERTICAL CNC MACHINING CENTERS

QTY	MAKE	MODEL	X"	Y"	Z"	HP	RPM SPINDLE	TAPER TOOLING	TOOL MAG	ACCESSORIES
1	Hwacheon	Sirius 550	45	21	21	7.5	10000	CAT 40	30	
2	Fadal	VMC40	22	16	20	15	10000	CAT 40	21	
1	Fadal	3016	30	16	20	15	10000	CAT 40	21	
1	Fadal	2216	22	16	20	15	10000	CAT 40	21	Fadal full 4th axis with Jergens 8 station vice column
1	Haas	VF-4	50	20	25	22	7500	CAT 40	20	Haas full 4th axis with Jergens 8 station vise column
1	Haas	VF-2	36	14	20	15	7500	CAT 40	20	
1	Haas	Super Mini Mill	16	12	10	15	10000	CAT 40	10	

CNC TURNING CENTERS

QTY	MAKE	MODEL	X"	Y"	Z"	SUB SPINDLE	RPM SPINDLE	LIVE TOOLS	TOOL MAG	MAX BAR CAPACITY	BAR FEEDER	ACCESSORIES
1	Ganesh	Cyclone -32CS (7 Axis)	7.28"	19.29"	6.5"	X = 11.54" / Z = 11.61"	6000	11 Station	27	1.375	Patriot 338 12'	conveyers / OD Turning Tools 6 - 1/2" - 1000 psi coolant thru
QTY	MAKE	MODEL	Y"	MAX TURN DIA.	MAX TURN LENGTH	MAX SWING	RPM SPINDLE	LIVE TOOLS	TOOL MAG	MAX BAR CAPACITY	BAR FEEDER	ACCESSORIES
1	Ganesh	Cyclone 52TTMY 20HP (8 Axis)	2.75	7.48	36"	14.96	4000	2x 16 Station	32	2.0"	Ganesh Servo-80 4'	2x 6" 3 chuck/Traub 52 collet nose; chip conveyor

CNC TURNING CENTERS

QTY	MAKE	MODEL	MAX TURN DIA.	MAX TURN LENGTH	MAX SWING	RPM SPINDLE	LIVE TOOLS	TOOL MAG	MAX BAR CAPACITY	BAR FEEDER	ACCESSORIES
1	Mazak	SQT-15 20HP (3 Axis)	11.81	20.78	20.9	5000	12 Station		2.0"	LNS Quick Load 4'	8" 3 chuck/16C collet nose; tool eye; chip conveyor
1	Mazak	SQT-18M 25HP (3 Axis)	11.81	22.63	20.67	4500	12 Station		2.5"		10" 3 chuck/16C collet nose; tool eye
1	Mazak	SQT-10M 15HP (3 Axis)	9.00	12.05	17.13	3000	12 Station		1.625"	LNS Hydrobar 12'	6" 3 chuck/16C and 5C collet nose; tool eye

QUALITY CONTROL

QTY	MAKE	MODEL	X"	Y"	Z"	CONTROL SOFTWARE	STYLI TYPE	ACCESSORIES
1	Brown & Sharpe	Global Image 544 DCC CMM	19.6	15.7	15.7	PC-DMIS	Tesa Ruby Kit	PC-DMIS CAD-based software package
1	Brown & Sharpe	Micro Val PFXB 454 CMM	18	20	16	Micro Measure III	Renishaw Ruby Kit	Tesastar Probe Head
1	Mitutoyo	PH-A14 Horizontal Profile Projector	8	4	16	QM Data 200	Renishaw Ruby Kit	16" x 6" table, CMGC System, 14" Screen, 10x lens
1	Micro-Vu	500 hp Optical Comparator	4	2	1			HC 12" Screen, High Res Lenses (10X & 20X), 12" x 3" T-Slot Table, 6"X x 2 1/2"Y Stage